

2005

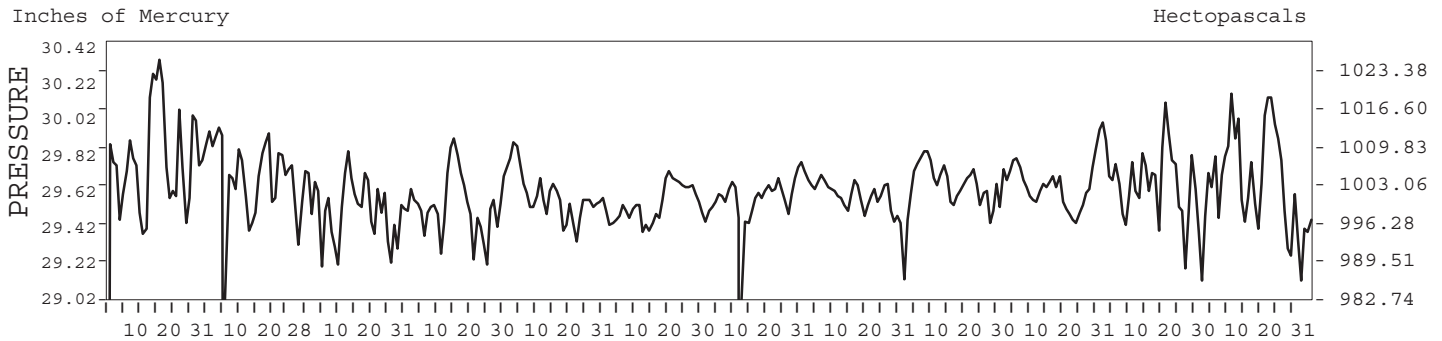
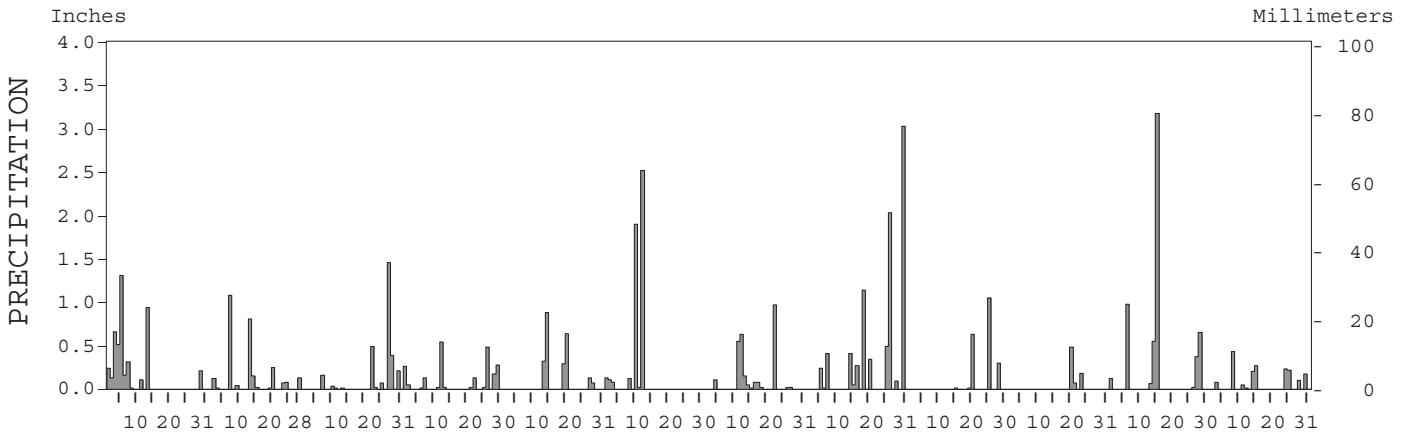
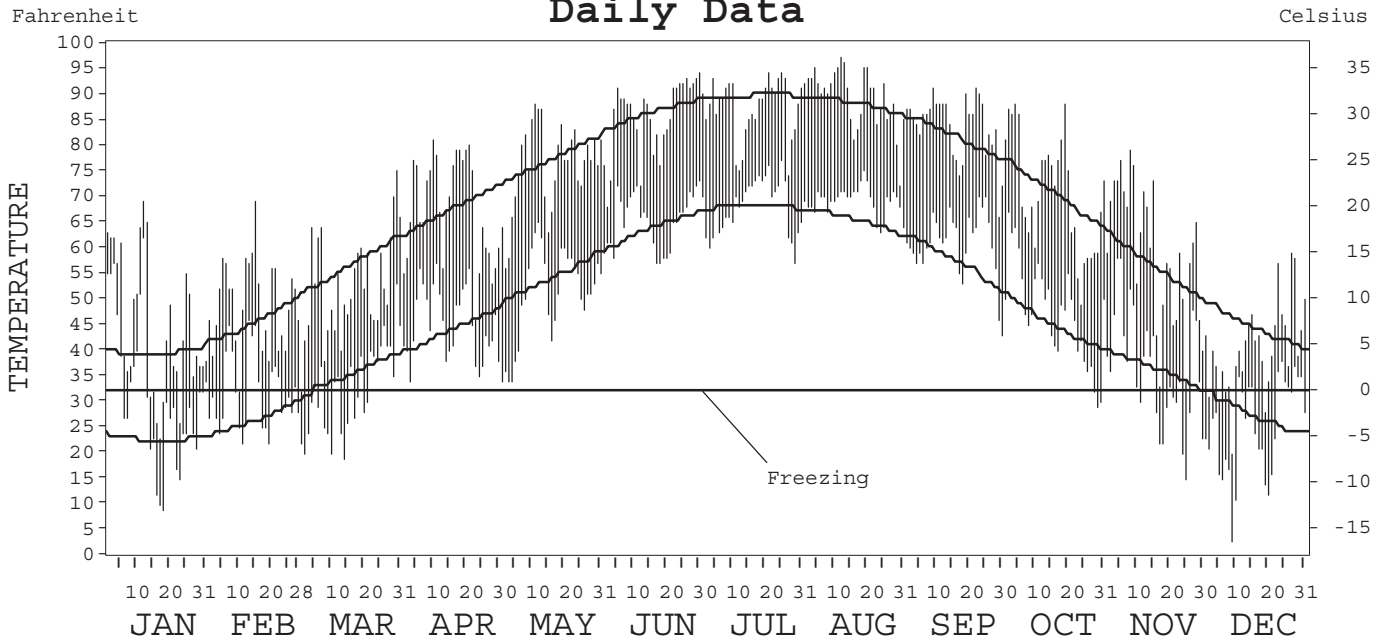
LOCAL CLIMATOLOGICAL DATA  
ANNUAL SUMMARY WITH COMPARATIVE DATA



ISSN 0198-1943

EVANSVILLE,  
INDIANA (EVV)

Daily Data



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*Thomas R. Karl*

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|---|---|---|---|

# METEOROLOGICAL DATA FOR 2005

## EVANSVILLE, IN (EVV)

LATITUDE: 38° 02' 35" N      LONGITUDE: 87° 32' 13" W      ELEVATION (FT): GRND: 418      BARO: 421      TIME ZONE: CENTRAL (UTC + 6)      WBAN: 93817

|                          | ELEMENT                       | JAN   | FEB  | MAR   | APR   | MAY   | JUN   | JUL  | AUG   | SEP   | OCT   | NOV   | DEC    | YEAR      |    |
|--------------------------|-------------------------------|-------|------|-------|-------|-------|-------|------|-------|-------|-------|-------|--------|-----------|----|
| TEMPERATURE °F           | MEAN DAILY MAXIMUM            | 44.6  | 49.1 | 52.7  | 67.5  | 75.6  | 85.5  | 87.2 | 89.3  | 83.6  | 70.5  | 59.1  | 40.5   | 67.1      |    |
|                          | HIGHEST DAILY MAXIMUM         | 69    | 69   | 75    | 81    | 88    | 94    | 94   | 97    | 91    | 88    | 79    | 59     | 97        |    |
|                          | DATE OF OCCURRENCE            | 12    | 15   | 30    | 10    | 11    | 30    | 25+  | 12    | 22+   | 19+   | 08    | 27     | AUG 12    |    |
|                          | MEAN DAILY MINIMUM            | 31.5  | 31.8 | 32.6  | 45.3  | 50.8  | 65.2  | 68.0 | 69.2  | 60.9  | 47.4  | 36.4  | 25.1   | 47.0      |    |
|                          | LOWEST DAILY MINIMUM          | 9     | 22   | 19    | 34    | 34    | 57    | 57   | 63    | 43    | 29    | 15    | 3      | 3         |    |
|                          | DATE OF OCCURRENCE            | 18    | 19+  | 14    | 03    | 04+   | 18+   | 29   | 24    | 30    | 29    | 25    | 09     | DEC 09    |    |
|                          | AVERAGE DRY BULB              | 38.1  | 40.5 | 42.7  | 56.4  | 63.2  | 75.4  | 77.6 | 79.3  | 72.3  | 59.0  | 47.8  | 32.8   | 57.1      |    |
|                          | MEAN WET BULB                 |       | 37.7 | 38.4  | 51.3  | 56.8  | 68.9  | 71.3 | 72.2  | 66.1  | 53.2  | 43.1  | 30.7   |           |    |
|                          | MEAN DEW POINT                |       | 33.9 | 31.4  | 45.5  | 51.0  | 65.1  | 67.9 | 69.1  | 62.5  | 48.6  | 35.7  | 26.2   |           |    |
|                          | NUMBER OF DAYS WITH:          |       |      |       |       |       |       |      |       |       |       |       |        |           |    |
|                          | MAXIMUM ≥ 90°                 | 0     | 0    | 0     | 0     | 0     | 10    | 13   | 19    | 4     | 0     | 0     | 0      | 0         | 46 |
| MAXIMUM ≤ 32°            | 6                             | 1     | 1    | 0     | 0     | 0     | 0     | 0    | 0     | 0     | 0     | 5     | 13     |           |    |
| MINIMUM ≤ 32°            | 20                            | 17    | 15   | 0     | 0     | 0     | 0     | 0    | 0     | 3     | 11    | 21    | 87     |           |    |
| MINIMUM ≤ 0°             | 0                             | 0     | 0    | 0     | 0     | 0     | 0     | 0    | 0     | 0     | 0     | 0     | 0      | 0         |    |
| H/C                      | HEATING DEGREE DAYS           | 829   | 679  | 684   | 259   | 122   | 0     | 0    | 0     | 16    | 226   | 514   | 991    | 4320      |    |
|                          | COOLING DEGREE DAYS           | 1     | 0    | 0     | 9     | 75    | 319   | 398  | 450   | 241   | 46    | 5     | 0      | 1544      |    |
| RH                       | MEAN (PERCENT)                | 79    | 80   | 66    | 68    | 66    | 71    | 74   | 76    | 75    | 73    | 63    | 77     | 72        |    |
|                          | HOUR 00 LST                   | 80    | 84   | 74    | 77    | 81    | 85    | 86   | 89    | 90    | 84    | 68    | 81     | 82        |    |
|                          | HOUR 06 LST                   | 85    | 90   | 78    | 82    | 85    | 85    | 87   | 91    | 93    | 90    | 75    | 82     | 85        |    |
|                          | HOUR 12 LST                   | 75    | 73   | 56    | 56    | 49    | 57    | 61   | 59    | 56    | 53    | 52    | 70     | 60        |    |
|                          | HOUR 18 LST                   | 76    | 72   | 56    | 57    | 50    | 58    | 61   | 65    | 68    | 67    | 57    | 75     | 64        |    |
| S                        | PERCENT POSSIBLE SUNSHINE     |       |      |       |       |       |       |      |       |       |       |       |        |           |    |
| W/O                      | NUMBER OF DAYS WITH:          |       |      |       |       |       |       |      |       |       |       |       |        |           |    |
|                          | HEAVY FOG (VISBY ≤ 1/4 MI)    | 0     | 0    | 2     | 0     | 0     | 2     | 1    | 1     | 5     | 3     | 2     | 2      | 18        |    |
|                          | THUNDERSTORMS                 | 0     | 0    | 3     | 2     | 4     | 2     | 5    | 9     | 3     | 1     | 3     | 1      | 33        |    |
| CLOUDINESS               | SUNRISE-SUNSET: (OKTAS)       |       |      |       |       |       |       |      |       |       |       |       |        |           |    |
|                          | CEILOMETER (≤ 12,000 FT.)     |       |      |       |       |       |       |      |       |       |       |       |        |           |    |
|                          | SATELLITE (> 12,000 FT.)      |       |      |       |       |       |       |      |       |       |       |       |        |           |    |
|                          | MIDNIGHT-MIDNIGHT: (OKTAS)    |       |      |       |       |       |       |      |       |       |       |       |        |           |    |
|                          | CEILOMETER (≤ 12,000 FT.)     |       |      |       |       |       |       |      |       |       |       |       |        |           |    |
| SATELLITE (> 12,000 FT.) |                               |       |      |       |       |       |       |      |       |       |       |       |        |           |    |
| NUMBER OF DAYS WITH:     |                               |       |      |       |       |       |       |      |       |       |       |       |        |           |    |
| CLEAR                    |                               |       |      |       |       |       |       |      |       |       |       |       |        |           |    |
| PARTLY CLOUDY            |                               |       |      |       |       |       |       |      |       |       |       |       |        |           |    |
| CLOUDY                   |                               |       |      |       |       |       |       |      |       |       |       |       |        |           |    |
| PR                       | MEAN STATION PRESS. (IN.)     |       |      | 29.52 | 29.53 | 29.59 | 29.55 |      | 29.58 | 29.67 | 29.67 | 29.63 | 29.67  |           |    |
|                          | MEAN SEA-LEVEL PRESS. (IN.)   |       |      | 29.95 |       | 30.01 | 29.95 |      | 29.98 | 30.07 | 30.08 | 30.05 | 30.10  |           |    |
| WINDS                    | RESULTANT SPEED (MPH)         |       | 1.4  | 2.0   | 1.4   | 1.3   | 0.5   | 1.8  | 0.3   | 0.3   | 1.9   | 4.7   |        |           |    |
|                          | RES. DIR. (TENS OF DEGS.)     |       | 28   | 31    | 28    | 30    | 23    | 34   | 19    | 33    | 23    |       |        |           |    |
|                          | MEAN SPEED (MPH)              | 8.4   | 7.2  | 8.5   | 7.4   | 5.8   | 5.4   | 5.7  | 4.9   | 4.2   | 5.0   | 8.8   |        |           |    |
|                          | PREVAIL. DIR. (TENS OF DEGS.) | 20    | 20   | 29    | 19    | 04    | 21    | 21   | 05    | 05    | 31    | 20    | 36     | 20        |    |
|                          | MAXIMUM 2-MINUTE WIND:        |       |      |       |       |       |       |      |       |       |       |       |        |           |    |
|                          | SPEED (MPH)                   | 36    | 25   | 29    | 44    | 32    | 26    | 32   | 38    | 30    | 20    | 32    | 26     | 44        |    |
|                          | DIR. (TENS OF DEGS.)          | 29    | 26   | 28    | 26    | 26    | 25    | 27   | 28    | 28    | 30    | 21    | 28     | 26        |    |
|                          | DATE OF OCCURRENCE            | 22    | 14   | 30    | 22    | 19+   | 14    | 04   | 26    | 28+   | 24    | 15    | 01     | APR 22    |    |
|                          | MAXIMUM 5-SECOND WIND:        |       |      |       |       |       |       |      |       |       |       |       |        |           |    |
|                          | SPEED (MPH)                   | 44    | 35   | 37    | 61    | 52    | 35    | 45   | 49    | 39    | 26    | 41    | 35     | 61        |    |
| DIR. (TENS OF DEGS.)     | 30                            | 02    | 19   | 27    | 26    | 30    | 25    | 29   | 31    | 31    | 21    | 23    | 27     |           |    |
| DATE OF OCCURRENCE       | 22                            | 16    | 30+  | 22    | 19    | 08    | 04    | 26   | 19    | 23    | 15    | 21    | APR 22 |           |    |
| PRECIPITATION            | WATER EQUIVALENT:             |       |      |       |       |       |       |      |       |       |       |       |        |           |    |
|                          | TOTAL (IN.)                   | 4.59  | 2.77 | 2.85  | 2.13  | 2.33  | 4.88  | 2.69 | 8.51  | 2.00  | 0.73  | 5.93  | 1.76   | 41.17     |    |
|                          | GREATEST 24-HOUR (IN.)        | 1.44  | 1.08 | 1.60  | 0.56  | 1.20  | 2.53  | 0.97 | 3.03  | 1.05  | 0.55  | 3.65  | 0.43   | 3.65      |    |
|                          | DATE OF OCCURRENCE            | 05-06 | 07   | 27-28 | 11-12 | 13-14 | 11-12 | 22   | 30    | 25    | 20-21 | 14-15 | 08     | NOV 14-15 |    |
|                          | NUMBER OF DAYS WITH:          |       |      |       |       |       |       |      |       |       |       |       |        |           |    |
|                          | PRECIPITATION ≥ 0.01          | 11    | 12   | 10    | 13    | 6     | 7     | 12   | 12    | 5     | 3     | 8     | 10     | 109       |    |
| PRECIPITATION ≥ 0.10     | 10                            | 6     | 5    | 7     | 5     | 5     | 5     | 9    | 3     | 2     | 6     | 7     | 70     |           |    |
| PRECIPITATION ≥ 1.00     | 1                             | 1     | 1    | 0     | 0     | 2     | 0     | 3    | 1     | 0     | 1     | 0     | 10     |           |    |
| SNOWFALL                 | SNOW, ICE PELLETS, HAIL:      |       |      |       |       |       |       |      |       |       |       |       |        |           |    |
|                          | TOTAL (IN.)                   |       |      |       |       |       |       |      |       |       |       |       | 2.3    |           |    |
|                          | GREATEST 24-HOUR (IN.)        |       |      |       |       |       |       |      |       |       |       |       | 2.3    |           |    |
|                          | DATE OF OCCURRENCE            |       |      |       |       |       |       |      |       |       |       |       | 08     |           |    |
|                          | MAXIMUM SNOW DEPTH (IN.)      |       |      |       |       |       |       |      |       |       |       |       | 2      |           |    |
|                          | DATE OF OCCURRENCE            |       |      |       |       |       |       |      |       |       |       |       | 10+    |           |    |
| NUMBER OF DAYS WITH:     |                               |       |      |       |       |       |       |      |       |       |       |       |        |           |    |
| SNOWFALL ≥ 1.0           |                               |       |      |       |       |       |       |      |       |       |       |       | 1      |           |    |

# NORMALS, MEANS, AND EXTREMES

## EVANSVILLE, IN (EVV)

LATITUDE: 38° 02' 35" N      LONGITUDE: 87° 32' 13" W      ELEVATION (FT): GRND: 418      BARO: 421      TIME ZONE: CENTRAL (UTC + 6)      WBAN: 93817

| ELEMENT               |                             | POR  | JAN   | FEB   | MAR   | APR   | MAY   | JUN   | JUL   | AUG   | SEP   | OCT   | NOV   | DEC      | YEAR     |
|-----------------------|-----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|----------|
| TEMPERATURE °F        | NORMAL DAILY MAXIMUM        | 30   | 39.5  | 45.4  | 56.4  | 67.2  | 77.1  | 86.1  | 89.4  | 87.8  | 81.3  | 70.0  | 55.7  | 44.1     | 66.7     |
|                       | MEAN DAILY MAXIMUM          | 58   | 40.2  | 45.4  | 55.4  | 67.4  | 76.9  | 85.8  | 88.6  | 87.2  | 81.0  | 70.0  | 55.6  | 44.1     | 66.5     |
|                       | HIGHEST DAILY MAXIMUM       | 65   | 76    | 79    | 84    | 91    | 95    | 104   | 105   | 102   | 103   | 94    | 83    | 77       | 105      |
|                       | YEAR OF OCCURRENCE          |      | 1943  | 1962  | 1986  | 1989  | 1975  | 1954  | 1954  | 1983  | 1954  | 1953  | 1961  | 1982     | JUL 1954 |
|                       | MEAN OF EXTREME MAXS.       | 58   | 63.4  | 67.7  | 77.1  | 83.9  | 89.2  | 95.3  | 96.6  | 95.5  | 92.9  | 85.4  | 75.1  | 65.0     | 82.3     |
|                       | NORMAL DAILY MINIMUM        | 30   | 22.6  | 26.2  | 35.2  | 43.8  | 54.0  | 63.5  | 67.8  | 65.1  | 57.0  | 44.6  | 36.0  | 27.0     | 45.2     |
|                       | MEAN DAILY MINIMUM          | 58   | 23.4  | 26.9  | 34.9  | 45.2  | 54.6  | 63.5  | 67.7  | 65.1  | 57.4  | 45.3  | 35.9  | 27.5     | 45.6     |
|                       | LOWEST DAILY MINIMUM        | 65   | -21   | -23   | -9    | 23    | 28    | 41    | 47    | 43    | 31    | 21    | -3    | -15      | -23      |
|                       | YEAR OF OCCURRENCE          |      | 1977  | 1951  | 1960  | 1990  | 1963  | 1966  | 1947  | 1986  | 1942  | 1952  | 1950  | 1989     | FEB 1951 |
|                       | MEAN OF EXTREME MINS.       | 58   | 1.4   | 7.0   | 17.8  | 28.9  | 39.4  | 50.3  | 56.4  | 53.9  | 41.7  | 29.8  | 19.6  | 7.7      | 29.5     |
|                       | NORMAL DRY BULB             | 30   | 31.0  | 35.8  | 45.8  | 55.5  | 65.6  | 74.8  | 78.6  | 76.5  | 69.1  | 57.3  | 45.9  | 35.6     | 56.0     |
|                       | MEAN DRY BULB               | 58   | 31.9  | 36.1  | 45.1  | 56.2  | 65.8  | 74.6  | 78.2  | 76.3  | 69.3  | 57.6  | 45.8  | 35.7     | 56.0     |
|                       | MEAN WET BULB               | 20   | 30.1  | 34.1  | 40.9  | 50.9  | 60.0  | 67.9  | 71.5  | 66.5  | 62.7  | 51.9  | 40.7  | 31.5     | 50.7     |
|                       | MEAN DEW POINT              | 20   | 25.2  | 28.9  | 34.4  | 44.5  | 55.3  | 63.7  | 68.0  | 63.1  | 58.4  | 46.7  | 35.8  | 27.1     | 45.9     |
| NORMAL NO. DAYS WITH: |                             |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
| MAXIMUM ≥ 90°         | 30                          | 0.0  | 0.0   | 0.0   | 0.1   | 1.6   | 9.6   | 15.3  | 10.9  | 4.4   | 0.1   | 0.0   | 0.0   | 42.0     |          |
| MAXIMUM ≤ 32°         | 30                          | 9.0  | 5.4   | 0.7   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.4   | 5.0   | 20.5     |          |
| MINIMUM ≤ 32°         | 30                          | 24.4 | 19.0  | 12.6  | 3.0   | *     | 0.0   | 0.0   | 0.0   | 0.0   | 2.4   | 11.5  | 20.9  | 93.8     |          |
| MINIMUM ≤ 0°          | 30                          | 1.6  | 0.9   | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.6   | 3.2      |          |
| H/C                   | NORMAL HEATING DEG. DAYS    | 30   | 1047  | 825   | 591   | 295   | 85    | 5     | 0     | 1     | 45    | 262   | 565   | 896      | 4617     |
|                       | NORMAL COOLING DEG. DAYS    | 30   | 0     | 0     | 4     | 23    | 108   | 304   | 425   | 356   | 173   | 27    | 2     | 0        | 1422     |
| RH                    | NORMAL (PERCENT)            | 30   | 74    | 72    | 68    | 66    | 69    | 69    | 71    | 73    | 73    | 70    | 72    | 76       | 71       |
|                       | HOUR 00 LST                 | 30   | 77    | 77    | 75    | 75    | 81    | 81    | 84    | 85    | 85    | 81    | 78    | 79       | 80       |
|                       | HOUR 06 LST                 | 30   | 80    | 80    | 79    | 80    | 83    | 82    | 85    | 88    | 88    | 85    | 81    | 81       | 83       |
|                       | HOUR 12 LST                 | 30   | 68    | 64    | 59    | 54    | 56    | 55    | 57    | 58    | 55    | 53    | 62    | 69       | 59       |
|                       | HOUR 18 LST                 | 30   | 72    | 67    | 61    | 55    | 58    | 56    | 59    | 62    | 65    | 64    | 68    | 74       | 63       |
| S                     | PERCENT POSSIBLE SUNSHINE   | 56   | 42    | 48    | 55    | 60    | 64    | 71    | 73    | 73    | 69    | 65    | 48    | 42       | 59       |
| W/O                   | MEAN NO. DAYS WITH:         |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
|                       | HEAVY FOG (VISBY ≤ 1/4 MI)  | 65   | 2.3   | 1.5   | 1.1   | 0.4   | 0.7   | 0.5   | 0.8   | 1.1   | 1.6   | 1.6   | 1.2   | 2.0      | 14.8     |
|                       | THUNDERSTORMS               | 65   | 1.0   | 1.2   | 3.5   | 5.0   | 6.7   | 7.4   | 7.6   | 5.2   | 3.1   | 2.0   | 1.5   | 0.6      | 44.8     |
| CLOUDINESS            | MEAN:                       |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
|                       | SUNRISE-SUNSET (OKTAS)      | 56   | 5.7   | 5.4   | 5.4   | 5.2   | 4.9   | 4.6   | 4.2   | 4.0   | 4.0   | 3.9   | 5.1   | 5.5      | 4.8      |
|                       | MIDNIGHT-MIDNIGHT (OKTAS)   | 32   | 5.4   | 4.9   | 5.0   | 4.7   | 4.3   | 4.0   | 3.8   | 3.6   | 3.8   | 3.8   | 4.9   | 5.2      | 4.4      |
|                       | MEAN NO. DAYS WITH:         |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
|                       | CLEAR                       | 56   | 6.6   | 6.5   | 6.5   | 6.8   | 8.5   | 8.1   | 9.2   | 11.1  | 11.3  | 12.3  | 7.7   | 6.5      | 101.1    |
| PARTLY CLOUDY         | 56                          | 5.3  | 6.3   | 8.1   | 8.3   | 8.6   | 11.4  | 12.1  | 11.0  | 8.3   | 7.4   | 6.6   | 6.0   | 99.4     |          |
| CLOUDY                | 56                          | 19.1 | 15.4  | 16.4  | 14.9  | 13.9  | 10.5  | 9.1   | 8.4   | 9.9   | 10.8  | 15.2  | 18.0  | 161.6    |          |
| PR                    | MEAN STATION PRESSURE (IN)  | 31   | 29.70 | 29.69 | 29.60 | 29.60 | 29.59 | 29.60 | 29.60 | 29.60 | 29.60 | 29.70 | 29.71 | 29.71    | 29.64    |
|                       | MEAN SEA-LEVEL PRES. (IN)   | 20   | 30.15 | 30.14 | 30.05 | 29.97 | 29.97 | 30.01 | 30.00 | 30.03 | 30.05 | 30.09 | 30.11 | 30.18    | 30.06    |
| WINDS                 | MEAN SPEED (MPH)            | 53   | 9.3   | 9.3   | 9.7   | 9.7   | 8.0   | 7.1   | 6.2   | 5.6   | 6.3   | 6.8   | 8.5   | 8.9      | 8.0      |
|                       | PREVAIL. DIR (TENS OF DEGS) | 37   | 34    | 32    | 32    | 22    | 22    | 23    | 24    | 23    | 17    | 18    | 21    | 31       | 22       |
|                       | MAXIMUM 2-MINUTE:           |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
|                       | SPEED (MPH)                 | 9    | 36    | 41    | 40    | 44    | 52    | 46    | 45    | 38    | 35    | 33    | 38    | 39       | 52       |
|                       | DIR. (TENS OF DEGS)         |      | 29    | 27    | 30    | 26    | 28    | 28    | 28    | 28    | 29    | 32    | 24    | 29       | 28       |
|                       | YEAR OF OCCURRENCE          |      | 2005  | 1997  | 2002  | 2005  | 2004  | 2000  | 2003  | 2005  | 2002  | 2001  | 1998  | 2000     | MAY 2004 |
|                       | MAXIMUM 5-SECOND:           |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
| SPEED (MPH)           | 9                           | 44   | 51    | 47    | 61    | 68    | 54    | 64    | 49    | 43    | 45    | 48    | 46    | 68       |          |
| DIR. (TENS OF DEGS)   |                             | 30   | 24    | 29    | 27    | 23    | 28    | 28    | 29    | 28    | 26    | 25    | 29    | 23       |          |
| YEAR OF OCCURRENCE    |                             | 2005 | 1999  | 2002  | 2005  | 1999  | 2000  | 2003  | 2005  | 2002  | 1997  | 1998  | 2000  | MAY 1999 |          |
| PRECIPITATION         | NORMAL (IN)                 | 30   | 2.91  | 3.10  | 4.29  | 4.48  | 5.01  | 4.10  | 3.75  | 3.14  | 2.99  | 2.78  | 4.18  | 3.54     | 44.27    |
|                       | MAXIMUM MONTHLY (IN)        | 65   | 13.50 | 7.26  | 12.84 | 11.83 | 13.51 | 9.30  | 9.69  | 8.51  | 9.89  | 8.33  | 8.49  | 8.23     | 13.51    |
|                       | YEAR OF OCCURRENCE          |      | 1950  | 2000  | 1964  | 1996  | 1995  | 1943  | 1958  | 2005  | 1945  | 1941  | 1957  | 1982     | MAY 1995 |
|                       | MINIMUM MONTHLY (IN)        | 65   | 0.51  | 0.27  | 0.89  | 1.10  | 0.91  | 0.65  | 0.18  | 0.13  | 0.09  | 0.01  | 0.51  | 0.56     | 0.01     |
|                       | YEAR OF OCCURRENCE          |      | 1981  | 1947  | 1941  | 1959  | 1965  | 1991  | 1974  | 1943  | 2004  | 1964  | 1999  | 1976     | OCT 1964 |
|                       | MAXIMUM IN 24 HOURS (IN)    | 65   | 3.74  | 3.84  | 5.63  | 7.26  | 6.05  | 3.67  | 4.09  | 3.70  | 3.45  | 3.00  | 3.65  | 3.43     | 7.26     |
|                       | YEAR OF OCCURRENCE          |      | 2000  | 2000  | 1964  | 1996  | 1961  | 1996  | 1978  | 1977  | 1945  | 1976  | 2005  | 2001     | APR 1996 |
|                       | NORMAL NO. DAYS WITH:       |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
| PRECIPITATION ≥ 0.01  | 30                          | 10.5 | 9.1   | 11.8  | 12.0  | 11.8  | 10.0  | 8.3   | 7.3   | 7.5   | 7.8   | 9.9   | 10.7  | 116.7    |          |
| PRECIPITATION ≥ 1.00  | 30                          | 0.5  | 0.9   | 0.9   | 1.2   | 1.4   | 1.0   | 1.1   | 1.1   | 0.8   | 0.6   | 1.3   | 0.9   | 11.7     |          |
| SNOWFALL              | NORMAL (IN)                 | 30   | 4.6   | 3.8   | 2.0   | 0.4   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.4   | 2.8   | 14.2     |          |
|                       | MAXIMUM MONTHLY (IN)        | 61   | 21.3  | 18.4  | 20.2  | 8.6   | T     | T     | 0.0   | 0.0   | T     | 4.6   | 6.9   | 11.5     | 21.3     |
|                       | YEAR OF OCCURRENCE          |      | 1977  | 1993  | 1960  | 1971  | 1993  | 1994  |       |       | 1990  | 1993  | 1958  | 2000     | JAN 1977 |
|                       | MAXIMUM IN 24 HOURS (IN)    | 61   | 8.7   | 10.9  | 10.6  | 8.6   | T     | T     | 0.0   | 0.0   | T     | 4.1   | 6.9   | 7.0      | 10.9     |
|                       | YEAR OF OCCURRENCE          |      | 1978  | 1993  | 1960  | 1971  | 1993  | 1994  |       |       | 1990  | 1993  | 1958  | 1963     | FEB 1993 |
|                       | MAXIMUM SNOW DEPTH (IN)     | 53   | 14    | 12    | 13    | 4     | 0     | 0     | 0     | 0     | 0     | 2     | 7     | 7        | 14       |
|                       | YEAR OF OCCURRENCE          |      | 1978  | 1998  | 1960  | 1971  |       |       |       |       |       | 1993  | 1958  | 1984     | JAN 1978 |
|                       | NORMAL NO. DAYS WITH:       |      |       |       |       |       |       |       |       |       |       |       |       |          |          |
| SNOWFALL ≥ 1.0        | 30                          | 1.3  | 1.0   | 0.7   | 0.1   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.2   | 0.8   | 4.1      |          |

PRECIPITATION (inches) 2005 EVANSVILLE, IN (EVV)

| YEAR            | JAN  | FEB  | MAR  | APR   | MAY   | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANNUAL |
|-----------------|------|------|------|-------|-------|------|------|------|------|------|------|------|--------|
| 1976            | 2.11 | 2.61 | 2.25 | 1.30  | 7.48  | 4.24 | 2.14 | 0.24 | 3.29 | 4.82 | 1.05 | 0.56 | 32.09  |
| 1977            | 1.91 | 1.29 | 6.17 | 3.34  | 2.68  | 6.57 | 4.83 | 8.43 | 4.58 | 2.81 | 4.30 | 3.17 | 50.08  |
| 1978            | 2.64 | 0.76 | 4.69 | 3.49  | 3.93  | 0.84 | 7.66 | 3.64 | 2.72 | 1.61 | 4.86 | 6.12 | 42.96  |
| 1979            | 3.60 | 4.80 | 6.30 | 6.07  | 3.72  | 2.78 | 7.22 | 2.36 | 2.83 | 2.68 | 6.82 | 3.03 | 52.21  |
| 1980            | 1.77 | 1.25 | 4.38 | 2.73  | 4.10  | 6.01 | 4.50 | 2.15 | 2.51 | 3.13 | 2.34 | 0.89 | 35.76  |
| 1981            | 0.51 | 2.89 | 1.70 | 2.50  | 12.89 | 1.78 | 5.08 | 6.04 | 2.00 | 2.36 | 3.40 | 2.20 | 43.35  |
| 1982            | 9.15 | 1.65 | 5.07 | 3.24  | 4.29  | 2.95 | 2.62 | 3.41 | 6.07 | 1.75 | 4.25 | 8.23 | 52.68  |
| 1983            | 1.79 | 0.74 | 4.33 | 10.26 | 8.87  | 4.59 | 1.51 | 0.94 | 0.73 | 5.62 | 5.55 | 3.55 | 48.48  |
| 1984            | 0.85 | 2.55 | 7.02 | 5.75  | 2.89  | 3.35 | 1.50 | 2.70 | 6.97 | 5.13 | 5.05 | 5.99 | 49.75  |
| 1985            | 1.76 | 4.24 | 6.10 | 3.80  | 2.97  | 4.68 | 1.18 | 3.76 | 3.59 | 4.46 | 7.61 | 1.74 | 45.89  |
| 1986            | 1.15 | 5.77 | 2.64 | 2.29  | 2.93  | 3.77 | 5.39 | 2.07 | 3.84 | 3.30 | 2.35 | 2.18 | 37.68  |
| 1987            | 0.77 | 3.51 | 2.11 | 2.31  | 3.90  | 5.97 | 3.19 | 0.47 | 1.98 | 1.23 | 3.36 | 5.71 | 34.51  |
| 1988            | 3.28 | 3.94 | 2.89 | 1.77  | 1.33  | 1.11 | 6.63 | 2.72 | 1.19 | 2.86 | 7.96 | 2.75 | 38.43  |
| 1989            | 3.35 | 7.00 | 6.40 | 4.19  | 3.72  | 4.00 | 7.83 | 3.46 | 2.21 | 2.16 | 1.64 | 1.38 | 47.34  |
| 1990            | 4.26 | 5.60 | 2.15 | 3.75  | 11.34 | 3.22 | 1.01 | 3.47 | 2.54 | 4.81 | 2.92 | 7.45 | 52.52  |
| 1991            | 3.02 | 2.99 | 4.27 | 2.56  | 3.11  | 0.65 | 2.58 | 0.46 | 2.60 | 3.05 | 3.67 | 3.72 | 32.68  |
| 1992            | 0.85 | 1.51 | 4.50 | 1.19  | 3.44  | 1.44 | 8.40 | 4.39 | 2.89 | 1.17 | 4.34 | 1.69 | 35.81  |
| 1993            | 3.57 | 2.61 | 3.23 | 4.38  | 4.20  | 4.65 | 2.37 | 2.17 | 5.59 | 3.76 | 6.62 | 2.68 | 45.83  |
| 1994            | 3.18 | 2.32 | 1.88 | 5.77  | 0.94  | 3.45 | 2.30 | 2.52 | 2.61 | 2.67 | 6.52 | 2.59 | 36.75  |
| 1995            | 2.82 | 2.98 | 2.53 | 5.59  | 13.51 | 4.56 | 2.88 | 3.60 | 0.47 | 2.01 | 2.32 | 3.19 | 46.46  |
| 1996            | 3.51 | 1.50 | 5.19 | 11.83 | 7.32  | 7.78 | 4.56 | 1.20 | 8.45 | 2.53 | 6.66 | 3.50 | 64.03  |
| 1997            | 4.20 | 3.35 | 6.90 | 4.16  | 7.57  | 6.12 | 1.71 | 4.02 | 1.31 | 1.73 | 4.17 | 2.34 | 47.58  |
| 1998            | 2.24 | 2.71 | 3.07 | 8.50  | 5.91  | 5.31 | 3.89 | 3.91 | 0.49 | 3.38 | 2.78 | 3.48 | 45.67  |
| 1999            | 6.00 | 1.94 | 4.30 | 6.15  | 3.21  | 6.27 | 2.00 | 0.64 | 0.39 | 2.80 | 0.51 | 5.13 | 39.34  |
| 2000            | 4.36 | 7.26 | 3.21 | 2.35  | 2.60  | 5.86 | 4.14 | 5.60 | 5.03 | 0.59 | 3.43 | 4.12 | 48.55  |
| 2001            | 1.29 | 3.26 | 2.23 | 1.60  | 3.82  | 3.82 | 5.54 | 6.09 | 2.40 | 7.27 | 5.40 | 7.16 | 49.88  |
| 2002            | 3.72 | 0.74 | 6.20 | 8.58  | 5.70  | 2.86 | 4.32 | 0.63 | 5.22 | 3.75 | 2.97 | 5.65 | 50.34  |
| 2003            | 0.90 | 4.92 | 2.60 | 3.91  | 6.48  | 4.50 | 4.38 | 1.88 | 3.17 | 1.61 | 4.36 | 1.20 | 39.91  |
| 2004            | 2.95 | 0.59 | 2.17 | 1.91  | 9.31  | 1.66 | 7.56 | 3.08 | 0.09 | 5.62 | 6.23 | 2.31 | 43.48  |
| 2005            | 4.59 | 2.77 | 2.85 | 2.13  | 2.33  | 4.88 | 2.69 | 8.51 | 2.00 | 0.73 | 5.93 | 1.76 | 41.17  |
| POR=<br>128 YRS | 3.51 | 3.16 | 4.24 | 4.07  | 4.34  | 3.92 | 3.57 | 3.17 | 3.03 | 2.75 | 3.59 | 3.45 | 42.80  |

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AVERAGE TEMPERATURE (°F) 2005 EVANSVILLE, IN (EVV)

| YEAR            | JAN  | FEB  | MAR  | APR  | MAY  | JUN  | JUL  | AUG  | SEP  | OCT  | NOV  | DEC  | ANNUAL |
|-----------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|
| 1976            | 29.3 | 43.1 | 51.6 | 57.2 | 61.6 | 73.3 | 77.0 | 73.6 | 67.1 | 52.4 | 38.7 | 31.8 | 54.7   |
| 1977            | 14.8 | 33.9 | 51.2 | 61.5 | 72.0 | 75.4 | 80.9 | 76.9 | 72.4 | 55.6 | 48.8 | 33.5 | 56.4   |
| 1978            | 20.3 | 21.0 | 39.8 | 57.5 | 64.4 | 76.8 | 79.1 | 76.6 | 72.0 | 54.5 | 49.0 | 36.8 | 54.0   |
| 1979            | 20.9 | 24.6 | 46.7 | 54.3 | 63.5 | 75.1 | 76.6 | 74.8 | 68.3 | 56.5 | 44.1 | 38.6 | 53.7   |
| 1980            | 33.1 | 26.8 | 40.3 | 52.8 | 65.4 | 73.2 | 82.0 | 81.6 | 72.4 | 55.4 | 45.1 | 37.3 | 55.5   |
| 1981            | 29.6 | 37.2 | 44.7 | 61.7 | 61.4 | 76.6 | 78.5 | 75.9 | 67.2 | 57.0 | 48.3 | 34.5 | 56.1   |
| 1982            | 27.4 | 32.1 | 47.8 | 52.1 | 70.7 | 70.7 | 79.6 | 74.1 | 67.5 | 59.2 | 48.9 | 45.2 | 56.3   |
| 1983            | 35.2 | 39.3 | 46.5 | 51.5 | 62.7 | 74.7 | 81.4 | 81.9 | 70.6 | 59.3 | 47.7 | 26.2 | 56.4   |
| 1984            | 27.1 | 39.0 | 40.0 | 54.4 | 62.5 | 78.6 | 76.0 | 76.0 | 66.3 | 62.9 | 43.5 | 43.7 | 55.8   |
| 1985            | 23.7 | 29.6 | 51.9 | 59.1 | 66.5 | 73.7 | 79.2 | 75.1 | 68.5 | 60.7 | 50.1 | 28.2 | 55.5   |
| 1986            | 32.9 | 37.5 | 47.5 | 58.1 | 67.6 | 76.7 | 80.5 | 72.9 | 72.4 | 58.0 | 43.7 | 35.7 | 57.0   |
| 1987            | 32.2 | 38.5 | 47.9 | 54.2 | 71.7 | 76.5 | 78.3 | 77.9 | 71.0 | 51.2 | 49.5 | 39.7 | 57.4   |
| 1988            | 29.0 | 33.1 | 45.4 | 55.6 | 67.0 | 75.7 | 79.0 | 78.8 | 69.5 | 51.5 | 46.4 | 36.5 | 55.6   |
| 1989            | 40.1 | 32.5 | 46.9 | 56.6 | 63.2 | 73.8 | 77.7 | 76.8 | 68.3 | 58.3 | 45.6 | 23.0 | 55.2   |
| 1990            | 41.9 | 43.2 | 49.8 | 53.8 | 63.0 | 74.9 | 77.2 | 75.7 | 71.0 | 56.1 | 50.5 | 38.1 | 57.9   |
| 1991            | 31.3 | 39.7 | 47.9 | 58.9 | 71.1 | 77.0 | 79.1 | 77.0 | 70.2 | 59.2 | 43.2 | 39.2 | 57.8   |
| 1992            | 35.4 | 41.6 | 47.0 | 57.7 | 63.9 | 71.7 | 79.0 | 73.4 | 68.6 | 57.7 | 46.9 | 36.4 | 56.6   |
| 1993            | 36.5 | 32.9 | 43.1 | 54.1 | 67.0 | 75.8 | 83.1 | 79.5 | 67.0 | 55.5 | 44.7 | 36.4 | 56.3   |
| 1994            | 27.3 | 37.3 | 45.4 | 59.2 | 64.0 | 78.8 | 79.2 | 75.4 | 68.1 | 59.7 | 51.4 | 42.2 | 57.3   |
| 1995            | 35.0 | 36.1 | 49.9 | 58.3 | 66.4 | 76.0 | 81.1 | 83.4 | 68.7 | 60.3 | 41.2 | 35.6 | 57.7   |
| 1996            | 30.9 | 36.2 | 38.3 | 51.5 | 67.3 | 74.0 | 75.2 | 75.7 | 66.0 | 56.8 | 40.4 | 38.0 | 54.2   |
| 1997            | 29.0 | 39.7 | 47.3 | 50.5 | 60.3 | 72.0 | 77.2 | 74.1 | 67.8 | 57.3 | 41.8 | 35.0 | 54.3   |
| 1998            | 39.5 | 42.1 | 46.2 | 54.8 | 69.8 | 75.1 | 77.7 | 76.7 | 73.9 | 60.0 | 48.3 | 38.8 | 58.6   |
| 1999            | 34.7 | 40.9 | 41.5 | 57.7 | 65.5 | 74.5 | 79.4 | 74.4 | 68.2 | 56.6 | 51.3 | 37.3 | 56.8   |
| 2000            | 33.2 | 42.7 | 48.0 | 53.9 | 67.4 | 73.7 | 75.3 | 76.3 | 67.3 | 60.5 | 43.0 | 23.6 | 55.4   |
| 2001            | 30.8 | 39.2 | 41.5 | 61.3 | 67.6 | 72.7 | 77.6 | 76.7 | 67.2 | 56.6 | 50.8 | 40.5 | 56.9   |
| 2002            | 38.2 | 38.4 | 43.7 | 58.8 | 63.8 | 76.3 | 80.3 | 78.9 | 73.5 | 56.6 | 43.2 | 36.7 | 57.4   |
| 2003            | 27.4 | 31.5 | 46.5 | 57.4 | 64.4 | 69.5 | 77.1 | 77.3 | 66.8 | 57.7 | 50.3 | 38.4 | 55.4   |
| 2004            | 30.9 | 36.1 | 49.3 | 57.7 | 70.1 | 74.0 | 75.4 | 72.0 | 69.9 | 59.9 | 50.2 | 33.8 | 56.6   |
| 2005            | 38.1 | 40.5 | 42.7 | 56.4 | 63.2 | 75.4 | 77.6 | 79.3 | 72.3 | 59.0 | 47.8 | 32.8 | 57.1   |
| POR=<br>109 YRS | 33.2 | 36.0 | 45.7 | 56.2 | 65.9 | 75.1 | 78.8 | 77.0 | 70.3 | 58.7 | 46.2 | 36.0 | 56.6   |

HEATING DEGREE DAYS (base 65°F) 2005 EVANSVILLE, IN (EVV)

| YEAR    | JUL | AUG | SEP | OCT | NOV | DEC  | JAN  | FEB  | MAR | APR | MAY | JUN | TOTAL |
|---------|-----|-----|-----|-----|-----|------|------|------|-----|-----|-----|-----|-------|
| 1976-77 | 0   | 0   | 27  | 391 | 786 | 1021 | 1549 | 867  | 428 | 162 | 32  | 4   | 5267  |
| 1977-78 | 0   | 0   | 3   | 289 | 495 | 970  | 1377 | 1228 | 774 | 233 | 137 | 0   | 5506  |
| 1978-79 | 0   | 0   | 10  | 323 | 473 | 865  | 1360 | 1125 | 559 | 326 | 106 | 0   | 5147  |
| 1979-80 | 0   | 1   | 28  | 290 | 619 | 813  | 982  | 1103 | 756 | 367 | 81  | 10  | 5050  |
| 1980-81 | 0   | 0   | 24  | 329 | 591 | 852  | 1090 | 771  | 624 | 161 | 155 | 0   | 4597  |
| 1981-82 | 0   | 0   | 53  | 256 | 498 | 940  | 1160 | 914  | 534 | 386 | 16  | 0   | 4757  |
| 1982-83 | 0   | 0   | 52  | 233 | 486 | 618  | 918  | 711  | 567 | 406 | 106 | 4   | 4101  |
| 1983-84 | 0   | 0   | 61  | 186 | 514 | 1195 | 1169 | 747  | 769 | 329 | 131 | 0   | 5101  |
| 1984-85 | 0   | 0   | 79  | 108 | 638 | 653  | 1276 | 985  | 411 | 208 | 55  | 9   | 4422  |
| 1985-86 | 0   | 0   | 75  | 185 | 446 | 1135 | 989  | 762  | 538 | 226 | 70  | 0   | 4426  |
| 1986-87 | 0   | 15  | 14  | 240 | 632 | 900  | 1007 | 735  | 528 | 330 | 19  | 0   | 4420  |
| 1987-88 | 0   | 0   | 15  | 423 | 456 | 777  | 1108 | 917  | 602 | 284 | 46  | 4   | 4632  |
| 1988-89 | 0   | 0   | 18  | 418 | 548 | 877  | 765  | 902  | 558 | 308 | 142 | 1   | 4537  |
| 1989-90 | 0   | 1   | 54  | 225 | 577 | 1297 | 707  | 603  | 487 | 358 | 97  | 15  | 4421  |
| 1990-91 | 2   | 1   | 35  | 291 | 432 | 828  | 1037 | 702  | 528 | 191 | 42  | 0   | 4089  |
| 1991-92 | 0   | 0   | 88  | 227 | 647 | 791  | 913  | 673  | 549 | 259 | 118 | 10  | 4275  |
| 1992-93 | 0   | 0   | 46  | 236 | 538 | 875  | 879  | 892  | 671 | 322 | 46  | 12  | 4517  |
| 1993-94 | 0   | 0   | 55  | 296 | 600 | 879  | 1164 | 770  | 603 | 213 | 96  | 5   | 4681  |
| 1994-95 | 0   | 0   | 44  | 180 | 403 | 702  | 922  | 804  | 465 | 229 | 62  | 0   | 3811  |
| 1995-96 | 0   | 0   | 50  | 168 | 710 | 904  | 1048 | 829  | 819 | 407 | 75  | 5   | 5015  |
| 1996-97 | 0   | 0   | 70  | 253 | 732 | 830  | 1108 | 702  | 542 | 428 | 172 | 11  | 4848  |
| 1997-98 | 0   | 0   | 24  | 300 | 692 | 922  | 786  | 635  | 604 | 301 | 30  | 20  | 4314  |
| 1998-99 | 0   | 0   | 4   | 181 | 492 | 810  | 931  | 667  | 720 | 220 | 39  | 4   | 4068  |
| 1999-00 | 0   | 0   | 53  | 257 | 404 | 854  | 976  | 641  | 518 | 327 | 45  | 5   | 4080  |
| 2000-01 | 0   | 0   | 71  | 191 | 659 | 1277 | 1053 | 716  | 723 | 183 | 37  | 12  | 4922  |
| 2001-02 | 0   | 0   | 67  | 267 | 421 | 754  | 827  | 738  | 654 | 240 | 126 | 0   | 4094  |
| 2002-03 | 0   | 0   | 10  | 297 | 647 | 871  | 1160 | 932  | 566 | 234 | 72  | 28  | 4817  |
| 2003-04 | 0   | 0   | 53  | 233 | 436 | 815  | 1051 | 834  | 487 | 245 | 48  | 0   | 4202  |
| 2004-05 | 1   | 9   | 10  | 169 | 440 | 959  | 829  | 679  | 684 | 259 | 122 | 0   | 4161  |
| 2005-   | 0   | 0   | 16  | 226 | 514 | 991  |      |      |     |     |     |     |       |

WBAN : 93817

COOLING DEGREE DAYS (base 65°F) 2005 EVANSVILLE, IN (EVV)

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| 1976 | 0   | 0   | 6   | 47  | 40  | 258 | 379 | 274 | 98  | 10  | 0   | 0   | 1112   |
| 1977 | 0   | 0   | 9   | 61  | 255 | 323 | 501 | 376 | 232 | 6   | 16  | 0   | 1779   |
| 1978 | 0   | 0   | 0   | 16  | 125 | 361 | 444 | 366 | 229 | 7   | 2   | 0   | 1550   |
| 1979 | 0   | 0   | 0   | 13  | 65  | 310 | 365 | 312 | 138 | 35  | 0   | 0   | 1238   |
| 1980 | 0   | 0   | 0   | 5   | 102 | 264 | 535 | 521 | 257 | 39  | 3   | 0   | 1726   |
| 1981 | 0   | 0   | 1   | 69  | 50  | 355 | 425 | 343 | 128 | 15  | 3   | 0   | 1389   |
| 1982 | 0   | 0   | 10  | 3   | 198 | 179 | 458 | 290 | 134 | 59  | 9   | 11  | 1351   |
| 1983 | 0   | 0   | 3   | 8   | 42  | 303 | 514 | 532 | 236 | 17  | 0   | 0   | 1655   |
| 1984 | 0   | 0   | 0   | 16  | 60  | 416 | 348 | 349 | 127 | 49  | 0   | 0   | 1365   |
| 1985 | 0   | 3   | 13  | 36  | 108 | 276 | 447 | 319 | 190 | 58  | 5   | 0   | 1455   |
| 1986 | 0   | 0   | 2   | 27  | 156 | 360 | 487 | 265 | 246 | 32  | 0   | 0   | 1575   |
| 1987 | 0   | 0   | 0   | 8   | 235 | 350 | 420 | 408 | 201 | 0   | 1   | 0   | 1623   |
| 1988 | 0   | 0   | 0   | 11  | 113 | 329 | 441 | 436 | 162 | 8   | 0   | 0   | 1500   |
| 1989 | 0   | 0   | 3   | 64  | 96  | 272 | 403 | 369 | 161 | 28  | 0   | 0   | 1396   |
| 1990 | 0   | 0   | 21  | 29  | 43  | 318 | 387 | 336 | 220 | 23  | 3   | 0   | 1380   |
| 1991 | 0   | 0   | 4   | 15  | 241 | 369 | 445 | 379 | 249 | 55  | 0   | 0   | 1757   |
| 1992 | 0   | 0   | 0   | 47  | 90  | 219 | 440 | 268 | 162 | 14  | 0   | 0   | 1240   |
| 1993 | 0   | 0   | 0   | 3   | 115 | 342 | 566 | 456 | 122 | 9   | 0   | 0   | 1613   |
| 1994 | 0   | 1   | 0   | 42  | 74  | 423 | 449 | 330 | 144 | 24  | 2   | 0   | 1489   |
| 1995 | 0   | 0   | 3   | 33  | 116 | 336 | 510 | 577 | 169 | 29  | 0   | 0   | 1773   |
| 1996 | 0   | 0   | 0   | 8   | 154 | 282 | 321 | 338 | 105 | 6   | 0   | 0   | 1214   |
| 1997 | 0   | 0   | 0   | 0   | 32  | 227 | 386 | 288 | 116 | 70  | 0   | 0   | 1119   |
| 1998 | 0   | 0   | 28  | 3   | 188 | 330 | 398 | 370 | 276 | 35  | 0   | 1   | 1629   |
| 1999 | 0   | 0   | 0   | 10  | 59  | 297 | 454 | 298 | 158 | 8   | 0   | 0   | 1284   |
| 2000 | 0   | 0   | 0   | 0   | 126 | 271 | 327 | 356 | 146 | 57  | 6   | 0   | 1289   |
| 2001 | 0   | 0   | 0   | 79  | 126 | 251 | 400 | 369 | 141 | 11  | 0   | 0   | 1377   |
| 2002 | 0   | 0   | 0   | 60  | 97  | 347 | 481 | 436 | 273 | 43  | 0   | 0   | 1737   |
| 2003 | 0   | 0   | 0   | 15  | 61  | 170 | 382 | 387 | 113 | 13  | 2   | 0   | 1143   |
| 2004 | 0   | 0   | 6   | 33  | 211 | 276 | 331 | 231 | 161 | 18  | 2   | 0   | 1269   |
| 2005 | 1   | 0   | 0   | 9   | 75  | 319 | 398 | 450 | 241 | 46  | 5   | 0   | 1544   |

SNOWFALL (inches) 2005 EVANSVILLE, IN (EVV)

| YEAR           | JUL | AUG | SEP | OCT | NOV | DEC  | JAN  | FEB  | MAR | APR | MAY | JUN | TOTAL |
|----------------|-----|-----|-----|-----|-----|------|------|------|-----|-----|-----|-----|-------|
| 1976-77        | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 4.3  | 21.3 | 0.9  | T   | T   | 0.0 | 0.0 | 26.8  |
| 1977-78        | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 1.7  | 20.8 | 5.3  | 5.7 | 0.0 | 0.0 | 0.0 | 37.4  |
| 1978-79        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T    | 15.0 | 8.5  | 0.1 | 0.0 | 0.0 | 0.0 | 23.6  |
| 1979-80        | 0.0 | 0.0 | 0.0 | 0.0 | T   | T    | 7.1  | 5.0  | 4.2 | T   | 0.0 | 0.0 | 16.3  |
| 1980-81        | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.2  | 2.2  | 0.5  | T   | 0.0 | 0.0 | 0.0 | 3.4   |
| 1981-82        | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.7  | 4.1  | 6.8  | 0.3 | 3.0 | 0.0 | 0.0 | 15.0  |
| 1982-83        | 0.0 | 0.0 | 0.0 | 0.0 | T   | T    | 1.3  | 1.2  | 1.0 | 0.6 | 0.0 | 0.0 | 4.1   |
| 1983-84        | 0.0 | 0.0 | 0.0 | 0.0 | T   | 1.6  | 5.5  | 9.7  | 2.8 | 0.0 | 0.0 | 0.0 | 19.6  |
| 1984-85        | 0.0 | 0.0 | 0.0 | 0.0 | T   | 6.7  | 10.3 | 9.4  | 0.0 | T   | 0.0 | 0.0 | 26.4  |
| 1985-86        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8  | 1.1  | 6.8  | T   | 0.0 | 0.0 | 0.0 | 10.7  |
| 1986-87        | 0.0 | 0.0 | 0.0 | 0.0 | T   | 0.1  | 2.7  | 3.2  | 1.7 | 0.0 | 0.0 | 0.0 | 7.7   |
| 1987-88        | 0.0 | 0.0 | 0.0 | 0.0 | T   | 1.3  | 4.0  | 1.4  | 0.7 | 0.0 | 0.0 | 0.0 | 7.4   |
| 1988-89        | 0.0 | 0.0 | 0.0 | 0.0 | T   | 3.0  | T    | 0.5  | 0.1 | 0.0 | 0.0 | 0.0 | 3.6   |
| 1989-90        | 0.0 | 0.0 | 0.0 | 0.9 | T   | 6.0  | 1.6  | 0.2  | 4.6 | 0.0 | 0.0 | 0.0 | 13.3  |
| 1990-91        | 0.0 | 0.0 | T   | 0.0 | 0.0 | 7.2  | 0.8  | 1.2  | 0.2 | 0.0 | 0.0 | 0.0 | 9.4   |
| 1991-92        | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | T    | 1.0  | T    | 1.3 | T   | 0.0 | 0.0 | 3.3   |
| 1992-93        | 0.0 | 0.0 | 0.0 | T   | 0.1 | 0.7  | T    | 18.4 | 1.5 | T   | T   | 0.0 | 20.7  |
| 1993-94        | 0.0 | 0.0 | 0.0 | 4.6 | 0.3 | 3.4  | 7.4  | 0.7  | 8.0 | 0.0 | 0.0 | T   | 24.4  |
| 1994-95        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | T    | 0.3  | 1.7  | 0.1 | 0.0 | 0.0 | 0.0 | 2.1   |
| 1995-96        | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 5.4  | 13.5 | 1.1  | 9.6 | T   |     |     |       |
| 1996-97        | 0.0 |     | 0.0 |     | T   | 1.2  | 4.0  | 1.8  | T   | T   |     | 0.0 |       |
| 1997-98        |     | 0.0 |     |     | T   | 6.6  | 0.7  | 12.2 | 1.1 | 0.0 | 0.0 | 0.0 |       |
| 1998-99        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.5  | 1.1  | 3.3  | 2.8 | 0.0 | 0.0 | 0.0 | 8.7   |
| 1999-00        | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.3  | 4.1  | T    | T   | 0.0 | 0.0 | 0.0 | 4.4   |
| 2000-01        | 0.0 | 0.0 | 0.0 | 0.0 | T   | 11.5 | 4.7  | 1.0  | T   | 0.1 | 0.0 | 0.0 | 17.3  |
| 2001-02        | 0.0 | 0.0 |     | 0.0 |     |      |      |      |     |     |     |     |       |
| 2002-03        |     |     |     |     |     |      |      |      |     |     |     |     |       |
| 2003-04        |     |     |     |     |     |      |      |      |     |     |     |     |       |
| 2004-05        |     |     |     |     |     |      |      |      |     |     |     |     |       |
| 2005-          |     |     |     |     |     | 2.3  |      |      |     |     |     |     |       |
| POR=<br>59 YRS | 0.0 | 0.0 | T   | 0.1 | 0.6 | 2.7  | 4.0  | 3.5  | 2.6 | 0.3 | T   | T   | 13.8  |

WBAN : 93817

REFERENCE NOTES:

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| <p>PAGE 1:<br/>THE TEMPERATURE GRAPH SHOWS NORMAL MAXIMUM AND NORMAL MINIMUM DAILY TEMPERATURES (SOLID CURVES) AND THE ACTUAL DAILY HIGH AND LOW TEMPERATURES (VERTICAL BARS).</p> <p>PAGE 2 AND 3:<br/>H/C INDICATES HEATING AND COOLING DEGREE DAYS.<br/>RH INDICATES RELATIVE HUMIDITY<br/>W/O INDICATES WEATHER AND OBSTRUCTIONS<br/>S INDICATES SUNSHINE.<br/>PR INDICATES PRESSURE.<br/>CLOUDINESS ON PAGE 3 IS THE SUM OF THE CEILOMETER AND SATELLITE DATA NOT TO EXCEED EIGHT EIGHTHS(OKTAS).</p> <p>GENERAL:<br/>T INDICATES TRACE PRECIPITATION, AN AMOUNT GREATER THAN ZERO BUT LESS THAN THE LOWEST REPORTABLE VALUE.<br/>+ INDICATES THE VALUE ALSO OCCURS ON EARLIER DATES.<br/>BLANK ENTRIES DENOTE MISSING OR UNREPORTED DATA.<br/>NORMALS ARE 30-YEAR AVERAGES (1971 - 2000).<br/>ASOS INDICATES AUTOMATED SURFACE OBSERVING SYSTEM.<br/>PM INDICATES THE LAST DAY OF THE PREVIOUS MONTH.<br/>POR (PERIOD OF RECORD) BEGINS WITH THE JANUARY DATA MONTH AND IS THE NUMBER OF YEARS USED TO COMPUTE THE MEAN. INDIVIDUAL MONTHS WITHIN THE POR MAY BE MISSING.<br/>WHEN THE POR FOR A NORMAL IS LESS THAN 30 YEARS, THE NORMAL IS PROVISIONAL AND IS BASED ON THE NUMBER OF YEARS INDICATED.<br/>0.* OR * INDICATES THE VALUE OR MEAN-DAYS-WITH IS BETWEEN 0.00 AND 0.05.<br/>CLOUDINESS FOR ASOS STATIONS DIFFERS FROM THE NON-ASOS OBSERVATION TAKEN BY A HUMAN OBSERVER. ASOS STATION CLOUDINESS IS BASED ON TIME-AVERAGED CEILOMETER DATA FOR CLOUDS AT OR BELOW 12,000 FEET AND ON SATELLITE DATA FOR CLOUDS ABOVE 12,000 FEET.<br/>THE NUMBER OF DAYS WITH CLEAR, PARTLY CLOUDY, AND CLOUDY CONDITIONS FOR ASOS STATIONS IS THE SUM OF THE CEILOMETER AND SATELLITE DATA FOR THE SUNRISE TO SUNSET PERIOD.</p> | <p>GENERAL CONTINUED:<br/>CLEAR INDICATES 0 - 2 OKTAS, PARTLY CLOUDY INDICATES 3 - 6 OKTAS, AND CLOUDY INDICATES 7 OR 8 OKTAS.<br/>WHEN AT LEAST ONE OF THE ELEMENTS (CEILOMETER OR SATELLITE) IS MISSING, THE DAILY CLOUDINESS IS NOT COMPUTED.<br/>WIND DIRECTION IS RECORDED IN TENS OF DEGREES (2 DIGITS) CLOCKWISE FROM TRUE NORTH. "00" INDICATES CALM. "36" INDICATES TRUE NORTH.<br/>RESULTANT WIND IS THE VECTOR AVERAGE OF THE SPEED AND DIRECTION.<br/>AVERAGE TEMPERATURE IS THE SUM OF THE MEAN DAILY MAXIMUM AND MINIMUM TEMPERATURE DIVIDED BY 2.<br/>SNOWFALL DATA COMPRISE ALL FORMS OF FROZEN PRECIPITATION, INCLUDING HAIL.<br/>A HEATING (COOLING) DEGREE DAY IS THE DIFFERENCE BETWEEN THE AVERAGE DAILY TEMPERATURE AND 65° F.<br/>DRY BULB IS THE TEMPERATURE OF THE AMBIENT AIR.<br/>DEW POINT IS THE TEMPERATURE TO WHICH THE AIR MUST BE COOLED TO ACHIEVE 100 PERCENT RELATIVE HUMIDITY.<br/>WET BULB IS THE TEMPERATURE THE AIR WOULD HAVE IF THE MOISTURE CONTENT WAS INCREASED TO 100 PERCENT RELATIVE HUMIDITY.</p> <p>ON JULY 1, 1996, THE NATIONAL WEATHER SERVICE BEGAN USING THE "METAR" OBSERVATION CODE THAT WAS ALREADY EMPLOYED BY MOST OTHER NATIONS OF THE WORLD. THE MOST NOTICEABLE DIFFERENCE IN THIS ANNUAL PUBLICATION WILL BE THE CHANGE IN UNITS FROM TENTHS TO EIGHTS(OKTAS) FOR REPORTING THE AMOUNT OF SKY COVER.</p> |
|---|--|

2005  
EVANSVILLE,  
INDIANA (EVV)

Evansville, Indiana, is located on the Ohio River. The country around Evansville ranges from level to areas of rolling terrain near the river. Dress Regional Airport, where the observations have been taken since August 31, 1940, is located in a shallow valley with low hills to the east and west which parallel the valley, but slope down to the south. There are hills 5 miles to the north which are about 100 feet higher than the field. The open end of the valley slopes down and south toward the city of Evansville and the Ohio River.

Records of precipitation, temperature, and wind are available from the city office locations prior to August 1940. Both precipitation and temperature records were from roof-top exposures in the city and from ground exposures at the airport. The airport exposure is not subject to the effect of an early morning smoke blanket that was prevalent over the city during the downtown exposure.

Prevailing wind direction is from the south-southwest. The strongest winds occur during a deep winter storm passage through the Lower Ohio Valley. Strong and cold north to northwest winds occur from late autumn to early spring, most often, in January and February, as large domes of arctic high pressure moves into the midwest.

Geographically, Evansville lies in the path of moisture-bearing low pressure formations that move from the western Gulf region, northeastward over the Mississippi and Ohio Valleys to the Great Lakes and northern Atlantic Coast. Much of the precipitation results from these storm systems, especially in the cooler part of the year.

Both temperature and precipitation are closely related to the movement of the polar front and the storms which move along the front. This is especially true in the winter and spring months.

In summer and early autumn changes are less severe and periods of polar air invasions are less prolonged. There is considerable variation in seasonal and monthly temperature and precipitation from year to year as these factors depend greatly on the frequency of storm and frontal passages. A comparatively few miles difference in the distance of the paths of these storms, often spells the difference between whether the precipitation is snow, rain, or freezing rain during winter months.

Convective thunderstorms, developing in the maritime tropical air from the Gulf of Mexico and squall line activity, seem to be the factors which combine to supply the summer rainfall. The greatest precipitation intensities for short periods of time come in the months of greatest thunderstorm frequency. The greatest intensities for 24 hours or more are confined to the winter months when storm centers to the south produce a sustained flow of overrunning Gulf air.

Severe storms are rather infrequent but thunderstorms cause some wind damage each year. Hail often occurs with the stronger thunderstorms. Evansville is in tornado alley with the most frequent occurrence in early spring and late fall. The tornado frequency would probably be less than one every ten years for Evansville.

Snowfall varies greatly from season to season, as do rainfall and temperature. Of note is the fact that snowfalls of 2 or more inches are very infrequent, and these amounts are usually melted within a day or two.

The growing season averages 199 days, but has been as long as 250 days and as short as 169 days.

# STATION LOCATION

EVANSVILLE, INDIANA

| LOCATION   | Occupied From | Occupied To | Airline Distances and Directions from previous Location | LATITUDE NORTH | LONGITUDE WEST | ELEVATION ABOVE |        |                 |                      |              |                 |                |            |             |                   | AUTOMATED OBSERVING EQUIPMENT *   | * TYPE<br>M = AMOS<br>T = AUTOB<br>S = ASOS<br>W = AWOS<br><br>REMARKS |
|--|---------------|-------------|---|----------------|----------------|-----------------|--------|-----------------|----------------------|--------------|-----------------|----------------|------------|-------------|-------------------|---|--|
|  |               |             |   |                |                | GROUND          |        |                 |                      |              |                 |                |            |             |                   |   |  |
|  |               |             |   |                |                | SEA LEVEL       | GROUND | WIND INSTRUMENT | EXTREME THERMOMETERS | PSYCHROMETER | SUNSHINE SWITCH | TIPPING BUCKET | RAIN GAUGE | WINDHOLE    | 8 INCH RAIN GAUGE |   |  |
| *NOTE:   |               |             |   |                |                |                 |        |                 |                      |              |                 |                |            |             |                   |   |  |
| <u>AIRPORT</u>   |               |             |   |                |                |                 |        |                 |                      |              |                 |                |            |             |                   |   |  |
| Aerological Building Municipal Airport +   | 8/31/40       | 2/21/51     | No Change   | 38°02'         | 87°32'         | 385             | 40     | 12 b6           | 11 b6                | Unk          | 3               |                | a4         | 3           |                   | a. Installed 11/19/40.<br>b. Lowered 4/19/46.   |  |
| + Dress Memorial AP (Effective 10/29/50) Terminal Building Dress Memorial Airport+ | 2/22/51       | 2/01/96     | 0.1 mi. N   | 38°03'         | 87°32'         | 383 e381        | 64 d20 | 7 g5 h5 m5      | 7 h5 m5              | 52 f55 m55   | 4 h4 i4 m4      | 5 h5 i5 m5     | 4 h4 i4 m4 | c5 j5 k5 m5 |                   | c. Telepsychrometer (7') 4/1/55-9/23/61. Hygro. comm. 2100' NE of thermometer site 9/23/61.<br>d. Effective 9/29/61.<br>e. Established 10/23/61.<br>f. Effective 3/13/64.<br>g. Effective 7/29/71.<br>h. Moved 100' NE 9/25/73.<br>i. Minor adjustment 11/16/77.<br>j. Type change 10/15/82.<br>k. Type change 10/23/85.<br>m. Minor move 3/3/92. |  |
| + Dress Regional AP (Effective 5/25/70)  |               |             |   |                |                |                 |        |                 |                      |              |                 |                |            |             |                   |   |  |
| Dress Regional Airport   | 02/01/96      | Present     | NA  | 38°03'         | 87°32'         | n418            |        |                 |                      |              |                 |                |            |             | S                 | ASOS Commissioned 02/01/96<br>n. Ground Elevation   |  |

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\* NOTES: For earlier station history see previous editions.